

Serial No. 09/877,974

Attorney Docket No.: SEDN/PRED008

Page 2 of 21

LISTING OF THE CLAIMS**Claims 1-99 (Cancelled)**

100. (Currently Amended) A method for profiling iTV users, comprising:
gathering user-requested content information from iTV interactions;
correlating content-associated profile information from a rating service with the user-requested content information; and
developing a profile of a user based only on the iTV interactions; and
erasing the gathered user-requested content information from iTV interactions after developing the profile of the user.

101. (Previously presented) The method of claim 100, wherein the content-associated profile information contains demographic information.

102. (Previously presented) The method of claim 100, wherein the content-associated profile information contains psychographic information.

103. (Previously presented) The method of claim 100, wherein the user-requested content information is a program.

104. (Previously presented) The method of claim 103, further comprising receiving a database associating a plurality of programs with content-associated profile information of viewers of the programs.

105. (Previously presented) The method of claim 104, wherein said database is developed by a television program ratings service.

106. (Previously presented) The method of claim 104, wherein gathering user-requested content information comprises identifying program requests made by the user while watching television.

524416-1

Serial No. 09/877,974

Attorney Docket No.: SEDN/PRED008

Page 3 of 21

107. (Previously presented) The method of claim 106, wherein developing a profile of the user comprises combining the profiles of the programs viewed by the user to the developed profile of the user using an averaging algorithm.

108. (Previously presented) The method of claim 100, further comprising receiving a plurality of advertisements along with desired viewer profiles.

109. (Previously presented) The method of claim 108, further comprising presenting at least one of the advertisements based on the user's profile.

110. (Previously presented) The method of claim 100, further comprising delivering program recommendations to the user based on the user's profile.

111. (Previously presented) The method of claim 100, wherein the user-requested content information is a program and a URL.

112. (Previously presented) The method of claim 111 further comprising receiving a database associating a plurality of programs with content-associated profile information of viewers of the programs and associating a plurality of URLs with content-associated profile information of visitors to a URL address.

113. (Previously presented) The method of claim 112 herein information in the database is developed by a television program ratings service and a web site ratings service.

114. (Previously presented) The method of claim 113 herein gathering user-requested content information comprises identifying program requests made by the user while watching television and identifying URLs requested by the user.

524416-1

Serial No. 09/877,974
Attorney Docket No.: SEDN/PRED008
Page 4 of 21

115. (Previously presented) The method of claim 114, wherein developing the profile of the user comprises combining the profiles of the programs viewed by the user and profiles of the URLs accessed by the user to the developed profile of the user using an averaging algorithm.

116. (Currently amended) A set-top box including a memory for storing a program and a processor operative with the program to perform a method for profiling iTV users, the method comprising:

- gathering user-requested content information from iTV interactions;
- correlating content-associated profile information from a rating service with the user-requested content information; ~~and~~
- developing a profile of a user based only on the iTV interactions; and
- erasing the gathered user-requested content information from iTV interactions after developing the profile of the user.

117. (Currently amended) A computer readable medium comprising instructions for performing a method of profiling iTV users, the method comprising:

- gathering user-requested content information from iTV interactions; correlating content-associated profile information from a rating service with the user-requested content information; ~~and~~
- developing a profile of a user based only on the iTV interactions; and
- erasing the gathered user-requested content information from iTV interactions after developing the profile of the user.

118. (Currently amended) A method of targeted advertising, comprising:

- receiving a plurality of advertisements, wherein each advertisement includes advertising information that includes instructions with desired iTV user profiles for the advertisement;
- gathering user-requested content information from iTV interactions;
- correlating content-associated profile information from a rating service with the user-requested content information;

Serial No. 09/877,974
Attorney Docket No.: SEDN/PRED008
Page 5 of 21

developing a user profile based only on the iTV interactions;

using the developed user profile along with the desired iTV user profiles from the advertisements to determine which of the advertisements to present to a iTV user as a targeted advertisement;

erasing the gathered user-requested content information from iTV interactions after developing the profile of the user; and

presenting the targeted advertisement to the iTV user.

119. (Previously presented) The method of claim 118, wherein the acts of receiving, using, and presenting are carried out in a set top box of the iTV user.

120. (Cancelled)

121. (Currently amended) A method of profiling iTV users, comprising:

providing profiles on a plurality of iTV programs;

monitoring which of said plurality of iTV programs a user accesses; and

developing a profile of the user based only on the profiles of the iTV programs accessed by the user; and

erasing information gathered from monitoring which of said plurality of iTV programs the user accesses after developing the profile of the user.

122. (Previously presented) The method of claim 121, wherein the profile of the user contains demographic data.

123. (Previously presented) The method of claim 122, wherein said demographic data includes data on the user's age.

124. (Previously presented) The method of claim 122, wherein said demographic data includes data on the user's gender.

Serial No. 09/877,974
Attorney Docket No.: SEDN/PRED008
Page 6 of 21

125. (Previously presented) The method of claim 122, wherein said demographic data includes data on the user's income.

126. (Previously presented) The method of claim 122, wherein said demographic data includes data on the user's highest attained education level.

127. (Previously presented) The method of claim 121, wherein the profile of the user contains psychographic data.

128. (Previously presented) The method of claim 127, wherein said psychographic data includes data on the user's interests.

129. (Previously presented) The method of claim 121, wherein providing profiles on the plurality of iTV programs comprises providing a database associating each program with demographic characteristics of known persons who have accessed a common set of iTV programs.

130. (Previously presented) The method of claim 122, wherein said demographic data is provided by a television program ratings service.

131. (Previously presented) The method of claim 121, wherein monitoring which of said plurality of programs the user views comprises identifying program requests made by the user while watching television.

132. (Previously presented) The method of claim 131, wherein said program requests are identified at the set-top box of an interactive television.

133. (Previously presented) The method of claim 131, wherein said program requests are identified at an iTV service provider point-of-presence.

Serial No. 09/877,974

Attorney Docket No.: SEDN/PRED008

Page 7 of 21

134. (Previously presented) The method of claim 133, wherein said program requests are associated with the user and stored in a database.

135. (Previously presented) The method of claim 121, wherein developing the profile of the user comprises updating a developed user profile.

136. (Previously presented) The method of claim 135, wherein developing the profile of the user comprises combining the profiles of programs viewed by the user to the existing user profile using an averaging algorithm.

137. (Previously presented) The method of claim 136, wherein the profile of the user includes data on a plurality of demographic categories, each demographic category being associated with a rating, and the method further comprises filling in a value for the rating for any demographic category having a low confidence measure.

138. (Previously presented) The method of claim 137, wherein filling in the value comprises using an average rating of persons having profiles similar to that of said user for a demographic category having a low confidence measure.

139. (Previously presented) The method of claim 138, wherein said average rating is determined using a clustering algorithm.

140. (Canceled).

141. (Previously presented) The method of claim 121, further comprising matching selective advertising to said user based on the profile.

142. (Previously presented) The method of claim 141, wherein delivering selective advertising comprises transmitting a pop-up advertisement to a display of a television operated by the user.

524416-1

Serial No. 09/877,974

Attorney Docket No.: SEDN/PRED008

Page 8 of 21

143. (Previously presented) The method of claim 141, wherein delivering selective advertising comprises transmitting a video advertisement in a programming stream to the display of the television operated by the user.

144. (Previously presented) The method of claim 121, further comprising providing program recommendations to the user based on the profile of the user.

145. (Previously presented) The method of claim 144, wherein the program recommendations are based on viewing habits of users with profiles similar to the profile of the user.

146. (Previously presented) The method of claim 144, wherein the program recommendations are generated upon a request by the user.

147. (Previously presented) The method of claim 144, wherein the program recommendations are generated automatically when the user turns on a television.

148. (Previously presented) The method of claim 144, wherein the program recommendations are presented in the form of a program guide that presents the user's favorite programs first.

149. (Currently amended) A set-top box including a memory for storing a program and a processor operative with the program to perform a method of profiling iTV users, the method comprising:

monitoring which of a plurality of programs a user views; and

developing a profile of the user based only on predetermined profiles of the programs viewed by the user; and

erasing information gathered from monitoring which of said plurality of programs the user accesses after developing the profile of the user.

Serial No. 09/877,974
Attorney Docket No.: SEDN/PRED008
Page 9 of 21

150. (Previously presented) The set-top box of claim 149, further comprising a database associating each television program with demographic characteristics of persons viewing said programs.

151. (Previously presented) The set-top box of claim 149, further comprising a database in which program requests of the user and associated user information are stored.

152. (Previously presented) The set-top box of claim 149, wherein said processor includes means for erasing records of which programs said user has viewed after developing the profile of the user.

153. (Previously presented) The set-top box of claim 149, wherein said processor further transmits selective advertising to the user based on the profile of the user.

154. (Previously presented) The set-top box of claim 153, wherein said selective advertising comprises a pop-up advertisement to be displayed on an iTV of the user.

155. (Previously presented) The set-top box of claim 149, wherein an advertisement on the iTV is sent to an iTV for display, said advertisement being selected from a plurality of advertisements based on the profile of the user.

156. (Currently amended) A computer having a memory for storing a program and a processor operative with the program to perform a method of profiling iTV users, the method comprising:

monitoring which of a plurality of programs a user views; and

developing a profile of the user based only on predetermined profiles of the viewed television programs; and

erasing information gathered from monitoring which of said plurality of programs the user accesses after developing the profile of the user.

Serial No. 09/877,974
Attorney Docket No.: SEDN/PRED008
Page 10 of 21

157. (Previously presented) The computer of claim 156, wherein said computer comprises an ISP point of presence server.

158. (Currently Amended) A system for delivering selective advertising to iTV users, comprising:

a database containing profile data on a plurality of iTV programs;

means for monitoring which iTV programs a user accesses;

means for developing a profile of the user only using profile data of the accessed iTV programs;

means for erasing information gathered from monitoring which iTV programs the user accesses after developing the profile of the user; and

means for matching the user with an advertisement based on the developed user profile.

159. (Currently amended) A system for delivering targeted advertisements to client iTVs of users, comprising:

a local server computer for providing iTV access to a user;

a set-top box at a client iTV linked to the local server computer, the set-top box including means for monitoring which of a plurality of iTV programs the user accesses, and means for developing a profile of the user based only on predetermined profile data of iTV programs accessed by the user and means for erasing information gathered from monitoring which of said plurality of iTV programs the user accesses after developing the profile of the user; and

a remote server computer linked to said local server computer and including means for providing an advertisement to a desired user based on the profile of the desired user and means for transmitting said advertisement to said local server computer for eventual transfer to the set-top box;

wherein the set-top box further contains means for matching the advertisement with the profile of the user.

Serial No. 09/877,974
Attorney Docket No.: SEDN/PRED008
Page 11 of 21

160. (Previously presented) The system of claim 159, wherein said local server computer includes a local database containing data associating the iTV programs with predetermined profile data on the iTV programs.

161. (Previously presented) The system of claim 159, wherein said means for monitoring comprises identifying program requests made by the user while viewing iTV.

162. (Previously presented) The system of claim 159, wherein the set-top box further comprises means for monitoring how long the advertisement is displayed to the user.

163. (Currently amended) A computer readable medium storing instructions thereon to perform a method of profiling iTV users, the method comprising:

monitoring which of a plurality of iTV programs having predetermined profiles a user accesses; and

developing a profile of the user based only on the profiles of the accessed iTV programs; and

erasing information gathered from monitoring which of said plurality of iTV programs having predetermined profiles the user accesses after developing the profile of the user.

164. (Previously presented) The computer readable medium of claim 163, wherein the medium comprises a removable memory.

165. (Previously presented) The computer readable medium of claim 163, wherein the medium comprises a signal transmission.

166. (Currently amended) A computerized method of profiling and selectively delivering content, comprising:

providing profiles of a plurality of iTV programs, said profiles including demographic data of iTV users known to have viewed the iTV programs;

monitoring which of said iTV programs each user visits;

Serial No. 09/877,974
Attorney Docket No.: SEDN/PRED008
Page 12 of 21

inferring a profile of each user based only on the profiles of the visited iTV programs;

erasing information gathered from monitoring which of said iTV programs each user visits after developing the profile of the user;

identifying a target group of said users who would be receptive to receiving certain content based on the profiles of the target group; and
selectively delivering the content to users of the target group.

167. (Previously presented) The computerized method of claim 166, further comprising adjusting the target group to optimize user responsiveness to the content.

168. (Currently amended) A program module for a set-top box, comprising:

a sniffer for gathering user-requested content information from iTV interactions of a user;

a profiler for correlating content-associated profile information from a rating service with the user-requested content information and for developing a profile of the user based only on the iTV interactions, wherein the information gathered from the sniffer is erased after developing the profile of the user; and

a matcher for recommending content to the user based on the profile of the user.